

Title (en)

Pedal assembly supporting structure for automobile

Title (de)

Tragstruktur für eine Kraftfahrzeugpedalanordnung

Title (fr)

Structure de support d'un assemblage de pédale pour automobile

Publication

EP 1106458 A2 20010613 (EN)

Application

EP 00125581 A 20001122

Priority

JP 34639199 A 19991206

Abstract (en)

In a supporting structure for a brake pedal assembly 8 pivotally mounted for rocking motion on the rear surface of a dash panel 1 of an automobile through a first bracket 2, a front portion of the first bracket 2 is fixed to the dash panel 1 and the rear end thereof is coupled to a second bracket 5, fastened to a cowl member 7 in a cabin, so as to be disengageable by the application of a load of automobile collision above a predetermined level. The brake pedal assembly 8 is pivotally mounted for rocking motion to the first bracket 2. At the lower end of the second bracket 5, a pedal lever stop 5b is provided which abuts against the rear end of the brake pedal assembly 8 when the first and second brackets 2, 5 are disengaged in an automobile collision so that the brake pedal assembly 8 moves backward. The brake pedal assembly 8 is restrained by abutment on the pedal lever stop 5b against backward movement. This ensures to prevent the brake pedal assembly 8 from moving backward in an automobile collision while providing a simple and highly reliable structure. <IMAGE>

IPC 1-7

B60T 7/06; G05G 1/14; B60R 21/09

IPC 8 full level

B60R 21/09 (2006.01); **B60T 7/02** (2006.01); **B60T 7/06** (2006.01); **G05G 1/30** (2008.04); **G05G 1/32** (2008.04)

CPC (source: EP US)

B60R 21/09 (2013.01 - EP US); **B60T 7/065** (2013.01 - EP US); **G05G 1/30** (2013.01 - EP US); **G05G 1/32** (2013.01 - EP US); **Y10T 74/20528** (2015.01 - EP US)

Cited by

US7370722B2; EP3093205A4; EP1440859A1; US6810766B2; WO0222412A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1106458 A2 20010613; **EP 1106458 A3 20020123**; **EP 1106458 B1 20040714**; DE 60012117 D1 20040819; DE 60012117 T2 20041118; ES 2223377 T3 20050301; JP 2001163196 A 20010619; JP 3804373 B2 20060802; US 6539823 B1 20030401

DOCDB simple family (application)

EP 00125581 A 20001122; DE 60012117 T 20001122; ES 00125581 T 20001122; JP 34639199 A 19991206; US 72201200 A 20001127